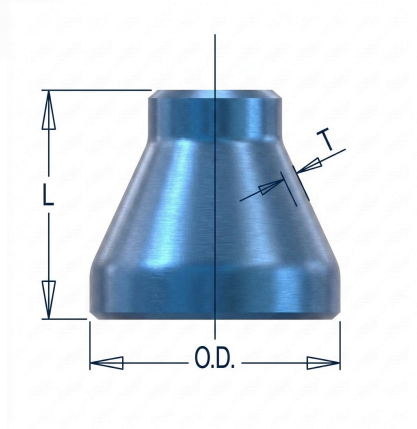
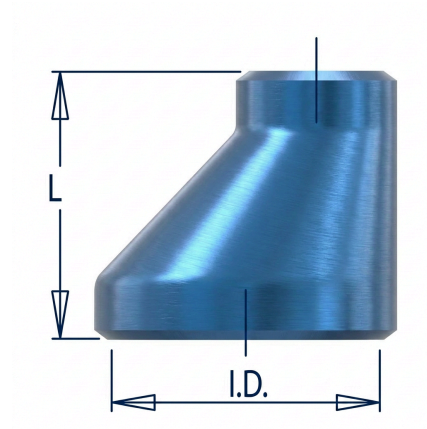


Concentric & Eccentric Reducers

Butt-Weld Fittings · ASME B16.9 · All Material Grades



CONCENTRIC



ECCENTRIC

AVAILABLE SCHEDULES

STD

XS

40

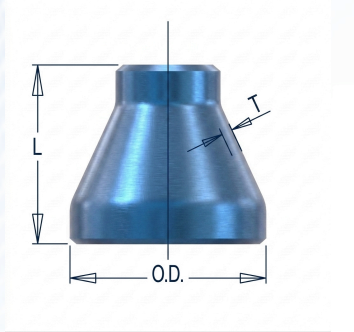
80

160

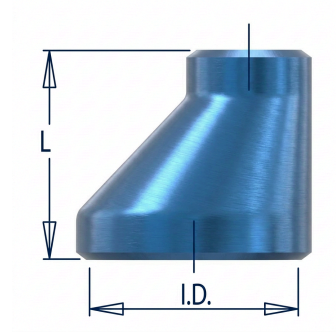
XXS



Concentric & Eccentric Reducers — Schedule STD



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
3/4 x 1/2	1.05	0.824	0.113	0.84	0.622	0.109	1.50	40	0.21
1 x 3/4	1.32	1.054	0.133	1.05	0.824	0.113	2.00	40	0.36
1 x 1/2	1.32	1.054	0.133	0.84	0.622	0.109	2.00	40	0.36
1 1/4 x 1	1.66	1.380	0.140	1.32	1.054	0.133	2.00	40	0.48
1 1/4 x 3/4	1.66	1.380	0.140	1.05	0.824	0.113	2.00	40	0.42
1 1/4 x 1/2	1.66	1.380	0.140	0.84	0.622	0.109	2.00	40	0.42
1 1/2 x 1 1/4	1.90	1.610	0.145	1.66	1.380	0.140	2.50	40	0.65
1 1/2 x 1	1.90	1.610	0.145	1.32	1.054	0.133	2.50	40	0.57
1 1/2 x 3/4	1.90	1.610	0.145	1.05	0.824	0.113	2.50	40	0.56
1 1/2 x 1/2	1.90	1.610	0.145	0.84	0.622	0.109	2.50	40	0.56
2 x 1 1/2	2.38	2.072	0.154	1.90	1.610	0.145	3.00	40	0.94
2 x 1 1/4	2.38	2.072	0.154	1.66	1.380	0.140	3.00	40	0.88
2 x 1	2.38	2.072	0.154	1.32	1.054	0.133	3.00	40	0.81
2 x 3/4	2.38	2.072	0.154	1.05	0.824	0.113	3.00	40	0.74
2 1/2 x 2	2.88	2.474	0.203	2.38	2.072	0.154	3.50	40	1.60
2 1/2 x 1 1/2	2.88	2.474	0.203	1.90	1.610	0.145	3.50	40	1.50
2 1/2 x 1 1/4	2.88	2.474	0.203	1.66	1.380	0.140	3.50	40	1.40
2 1/2 x 1	2.88	2.474	0.203	1.32	1.054	0.133	3.50	40	1.30
3 x 2 1/2	3.50	3.068	0.216	2.88	2.474	0.203	3.50	40	2.20
3 x 2	3.50	3.068	0.216	2.38	2.072	0.154	3.50	40	2.00
3 x 1 1/2	3.50	3.068	0.216	1.90	1.610	0.145	3.50	40	1.90
3 x 1 1/4	3.50	3.068	0.216	1.66	1.380	0.140	3.50	40	1.80
3 x 1 †	3.50	3.068	0.216	1.32	1.054	0.133	3.50	40	1.70
3 1/2 x 3	4.00	3.548	0.226	3.50	3.068	0.216	4.00	40	2.80
3 1/2 x 2 1/2	4.00	3.548	0.226	2.88	2.474	0.203	4.00	40	2.70

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

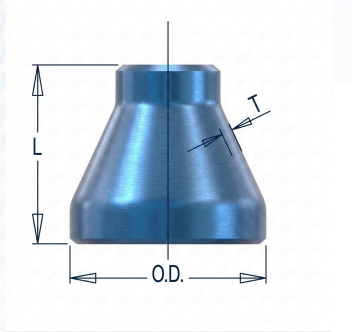
(B) Available in all material grades.

(C) All weights are estimates.

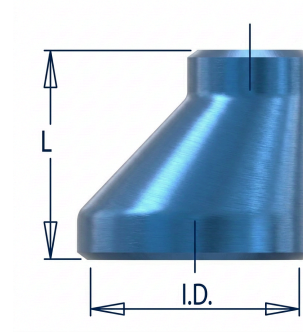
(D) For sizes larger than 48" please call.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule STD (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
3½ × 2	4.00	3.548	0.226	2.38	2.072	0.154	4.00	40	2.60
3½ × 1½	4.00	3.548	0.226	1.90	1.610	0.145	4.00	40	2.60
3½ × 1¼	4.00	3.548	0.226	1.66	1.380	0.140	4.00	40	2.50
4 × 3½	4.50	4.026	0.237	4.00	3.548	0.226	4.00	40	3.50
4 × 3	4.50	4.026	0.237	3.50	3.068	0.216	4.00	40	3.30
4 × 2½	4.50	4.026	0.237	2.88	2.474	0.203	4.00	40	3.20
4 × 2	4.50	4.026	0.237	2.38	2.072	0.154	4.00	40	3.10
4 × 1½	4.50	4.026	0.237	1.90	1.610	0.145	4.00	40	3.00
4 × 1¼ †	4.50	4.026	0.237	1.66	1.380	0.140	4.00	40	3.00
4 × 1 †	4.50	4.026	0.237	1.32	1.054	0.133	4.00	40	2.80
5 × 4	5.56	5.044	0.258	4.50	4.026	0.237	5.00	40	5.50
5 × 3½	5.56	5.044	0.258	4.00	3.548	0.226	5.00	40	5.30
5 × 3	5.56	5.044	0.258	3.50	3.068	0.216	5.00	40	5.10
5 × 2½	5.56	5.044	0.258	2.88	2.474	0.203	5.00	40	4.80
5 × 2	5.56	5.044	0.258	2.38	2.072	0.154	5.00	40	4.70
6 × 5	6.62	6.060	0.280	5.56	5.044	0.258	5.50	40	7.60
6 × 4	6.62	6.060	0.280	4.50	4.026	0.237	5.50	40	7.40
6 × 3½	6.62	6.060	0.280	4.00	3.548	0.226	5.50	40	7.10
6 × 3	6.62	6.060	0.280	3.50	3.068	0.216	5.50	40	6.90
6 × 2½	6.62	6.060	0.280	2.88	2.474	0.203	5.50	40	6.60
6 × 2 †	6.62	6.060	0.280	2.38	2.072	0.154	5.50	40	6.50
8 × 6	8.62	7.976	0.322	6.62	6.060	0.280	6.00	40	12.30
8 × 5	8.62	7.976	0.322	5.56	5.044	0.258	6.00	40	11.50
8 × 4	8.62	7.976	0.322	4.50	4.026	0.237	6.00	40	10.80
8 × 3½	8.62	7.976	0.322	4.00	3.548	0.226	6.00	40	10.60

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

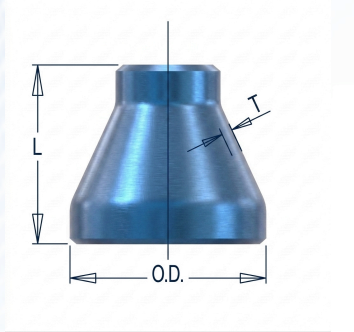
(B) Available in all material grades.

(C) All weights are estimates.

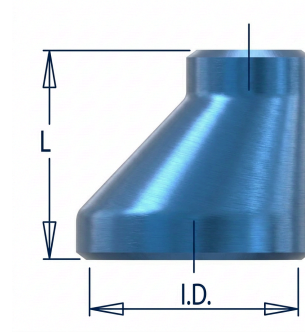
(D) For sizes larger than 48" please call.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule STD (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
8 × 3 [†]	8.62	7.976	0.322	3.50	3.068	0.216	6.00	40	9.80
10 × 8	10.75	10.020	0.365	8.62	7.976	0.322	7.00	40	22.10
10 × 6	10.75	10.020	0.365	6.62	6.060	0.280	7.00	40	20.70
10 × 5	10.75	10.020	0.365	5.56	5.044	0.258	7.00	40	19.50
10 × 4	10.75	10.020	0.365	4.50	4.026	0.237	7.00	40	18.40
12 × 10	12.75	12.000	0.375	10.75	10.020	0.365	8.00	*	32.40
12 × 8	12.75	12.000	0.375	8.62	7.976	0.322	8.00	*	30.50
12 × 6	12.75	12.000	0.375	6.62	6.060	0.280	8.00	*	29.50
12 × 5	12.75	12.000	0.375	5.56	5.044	0.258	8.00	*	27.80
12 × 4 [†]	12.75	12.000	0.375	4.50	4.026	0.237	8.00	*	26.20
14 × 12	14.00	13.250	0.375	12.75	12.000	0.375	13.00	*	63.10
14 × 10	14.00	13.250	0.375	10.75	10.020	0.365	13.00	*	61.40
14 × 8	14.00	13.250	0.375	8.62	7.976	0.322	13.00	*	60.00
14 × 6	14.00	13.250	0.375	6.62	6.060	0.280	13.00	*	59.20
16 × 14	16.00	15.250	0.375	14.00	13.250	0.375	14.00	*	75.40
16 × 12	16.00	15.250	0.375	12.75	12.000	0.375	14.00	*	72.70
16 × 10	16.00	15.250	0.375	10.75	10.020	0.365	14.00	*	71.10
16 × 8	16.00	15.250	0.375	8.62	7.976	0.322	14.00	*	69.40
16 × 6 [†]	16.00	15.250	0.375	6.62	6.060	0.280	14.00	*	67.40
18 × 16	18.00	17.250	0.375	16.00	15.250	0.375	15.00	*	87.30
18 × 14	18.00	17.250	0.375	14.00	13.250	0.375	15.00	*	86.00
18 × 12	18.00	17.250	0.375	12.75	12.000	0.375	15.00	*	84.80
18 × 10	18.00	17.250	0.375	10.75	10.020	0.365	15.00	*	83.70
18 × 8 [†]	18.00	17.250	0.375	8.62	7.976	0.322	15.00	*	81.75
20 × 18	20.00	19.250	0.375	18.00	17.250	0.375	20.00	*	123.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

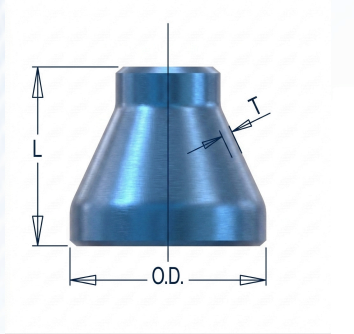
(C) All weights are estimates.

(D) For sizes larger than 48" please call.

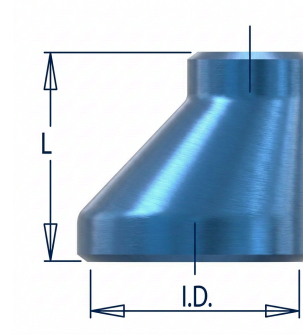
* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule STD (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
20 × 16	20.00	19.250	0.375	16.00	15.250	0.375	20.00	*	121.00
20 × 14	20.00	19.250	0.375	14.00	13.250	0.375	20.00	*	119.00
20 × 12	20.00	19.250	0.375	12.75	12.000	0.375	20.00	*	118.00
20 × 10 †	20.00	19.250	0.375	10.75	10.020	0.365	20.00	*	117.00
24 × 20	24.00	23.250	0.375	20.00	19.250	0.375	20.00	*	156.00
24 × 18	24.00	23.250	0.375	18.00	17.250	0.375	20.00	*	153.00
24 × 16	24.00	23.250	0.375	16.00	15.250	0.375	20.00	*	150.00
24 × 14 †	24.00	23.250	0.375	14.00	13.250	0.375	20.00	*	147.00
24 × 12 †	24.00	23.250	0.375	12.75	12.000	0.375	20.00	*	144.00
24 × 10 †	24.00	23.250	0.375	10.75	10.020	0.365	20.00	*	141.00
30 × 24	30.00	29.250	0.375	24.00	23.250	0.375	24.00	*	315.00
30 × 20	30.00	29.250	0.375	20.00	19.250	0.375	24.00	*	315.00
30 × 18 †	30.00	29.250	0.375	18.00	17.250	0.375	24.00	*	315.00
36 × 30	36.00	35.250	0.375	30.00	29.250	0.375	24.00	*	379.00
36 × 24	36.00	35.250	0.375	24.00	23.250	0.375	24.00	*	379.00
36 × 20 †	36.00	35.250	0.375	20.00	19.250	0.375	24.00	*	379.00
42 × 36	42.00	41.250	0.375	36.00	35.250	0.375	24.00	*	443.00
42 × 30	42.00	41.250	0.375	30.00	29.250	0.375	24.00	*	443.00
42 × 24 †	42.00	41.250	0.375	24.00	23.250	0.375	24.00	*	443.00
48 × 42	48.00	47.250	0.375	42.00	41.250	0.375	28.00	*	525.00
48 × 36 †	48.00	47.250	0.375	36.00	35.250	0.375	28.00	*	525.00
48 × 30 †	48.00	47.250	0.375	30.00	29.250	0.375	28.00	*	525.00
48 × 24 †	48.00	47.250	0.375	24.00	23.250	0.375	28.00	*	525.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

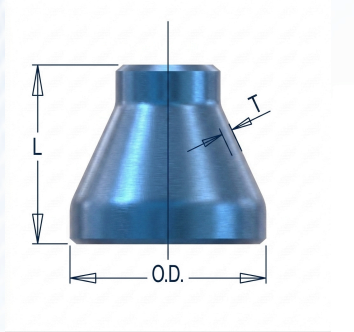
(C) All weights are estimates.

(D) For sizes larger than 48" please call.

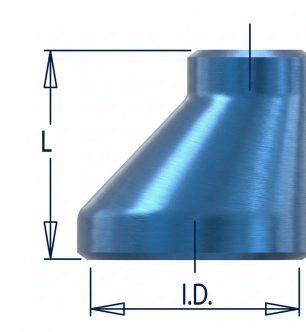
* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶14.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule XS



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
3/4 x 1/2	1.05	0.742	0.154	0.84	0.546	0.147	1.50	80	0.25
1 x 3/4	1.32	0.962	0.179	1.05	0.742	0.154	2.00	80	0.43
1 x 1/2	1.32	0.962	0.179	0.84	0.546	0.147	2.00	80	0.42
1 1/4 x 1	1.66	1.278	0.191	1.32	0.962	0.179	2.00	80	0.57
1 1/4 x 3/4	1.66	1.278	0.191	1.05	0.742	0.154	2.00	80	0.53
1 1/4 x 1/2	1.66	1.278	0.191	0.84	0.546	0.147	2.00	80	0.50
1 1/2 x 1 1/4	1.90	1.500	0.200	1.66	1.278	0.191	2.50	80	0.78
1 1/2 x 1	1.90	1.500	0.200	1.32	0.962	0.179	2.50	80	0.72
1 1/2 x 3/4	1.90	1.500	0.200	1.05	0.742	0.154	2.50	80	0.65
1 1/2 x 1/2	1.90	1.500	0.200	0.84	0.546	0.147	2.50	80	0.65
2 x 1 1/2	2.38	1.944	0.218	1.90	1.500	0.200	3.00	80	1.20
2 x 1 1/4	2.38	1.944	0.218	1.66	1.278	0.191	3.00	80	1.10
2 x 1	2.38	1.944	0.218	1.32	0.962	0.179	3.00	80	1.00
2 x 3/4	2.38	1.944	0.218	1.05	0.742	0.154	3.00	80	0.94
2 1/2 x 2	2.88	2.328	0.276	2.38	1.944	0.218	3.50	80	2.10
2 1/2 x 1 1/2	2.88	2.328	0.276	1.90	1.500	0.200	3.50	80	1.90
2 1/2 x 1 1/4	2.88	2.328	0.276	1.66	1.278	0.191	3.50	80	1.70
2 1/2 x 1	2.88	2.328	0.276	1.32	0.962	0.179	3.50	80	1.50
3 x 2 1/2	3.50	2.900	0.300	2.88	2.328	0.276	3.50	80	2.80
3 x 2	3.50	2.900	0.300	2.38	1.944	0.218	3.50	80	2.60
3 x 1 1/2	3.50	2.900	0.300	1.90	1.500	0.200	3.50	80	2.40
3 x 1 1/4	3.50	2.900	0.300	1.66	1.278	0.191	3.50	80	2.30
3 x 1 †	3.50	2.900	0.300	1.32	0.962	0.179	3.50	80	2.20
3 1/2 x 3	4.00	3.364	0.318	3.50	2.900	0.300	4.00	80	3.70
3 1/2 x 2 1/2	4.00	3.364	0.318	2.88	2.328	0.276	4.00	80	3.50

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

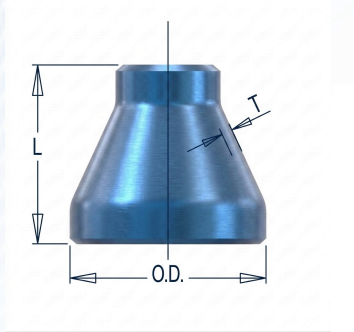
(B) Available in all material grades.

(C) All weights are estimates.

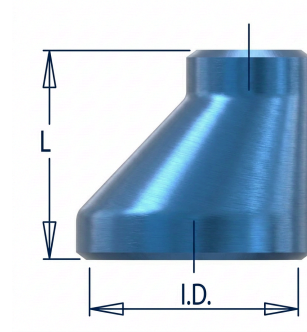
(D) For sizes larger than 48" please call.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule XS (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
3½ × 2	4.00	3.364	0.318	2.38	1.944	0.218	4.00	80	3.30
3½ × 1½	4.00	3.364	0.318	1.90	1.500	0.200	4.00	80	3.20
3½ × 1¼	4.00	3.364	0.318	1.66	1.278	0.191	4.00	80	3.20
4 × 3½	4.50	3.826	0.337	4.00	3.364	0.318	4.00	80	4.90
4 × 3	4.50	3.826	0.337	3.50	2.900	0.300	4.00	80	4.70
4 × 2½	4.50	3.826	0.337	2.88	2.328	0.276	4.00	80	4.60
4 × 2	4.50	3.826	0.337	2.38	1.944	0.218	4.00	80	4.30
4 × 1½	4.50	3.826	0.337	1.90	1.500	0.200	4.00	80	4.20
4 × 1¼†	4.50	3.826	0.337	1.66	1.278	0.191	4.00	80	4.10
4 × 1†	4.50	3.826	0.337	1.32	0.962	0.179	4.00	80	4.00
5 × 4	5.56	4.810	0.375	4.50	3.826	0.337	5.00	80	7.50
5 × 3½	5.56	4.810	0.375	4.00	3.364	0.318	5.00	80	6.90
5 × 3	5.56	4.810	0.375	3.50	2.900	0.300	5.00	80	6.30
5 × 2½	5.56	4.810	0.375	2.88	2.328	0.276	5.00	80	6.10
5 × 2	5.56	4.810	0.375	2.38	1.944	0.218	5.00	80	6.00
6 × 5	6.62	5.756	0.432	5.56	4.810	0.375	5.50	80	11.50
6 × 4	6.62	5.756	0.432	4.50	3.826	0.337	5.50	80	10.70
6 × 3½	6.62	5.756	0.432	4.00	3.364	0.318	5.50	80	10.00
6 × 3	6.62	5.756	0.432	3.50	2.900	0.300	5.50	80	9.70
6 × 2½	6.62	5.756	0.432	2.88	2.328	0.276	5.50	80	9.10
6 × 2†	6.62	5.756	0.432	2.38	1.944	0.218	5.50	80	8.60
8 × 6	8.62	7.620	0.500	6.62	5.756	0.432	6.00	80	18.80
8 × 5	8.62	7.620	0.500	5.56	4.810	0.375	6.00	80	17.60
8 × 4	8.62	7.620	0.500	4.50	3.826	0.337	6.00	80	17.00
8 × 3½	8.62	7.620	0.500	4.00	3.364	0.318	6.00	80	15.90

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

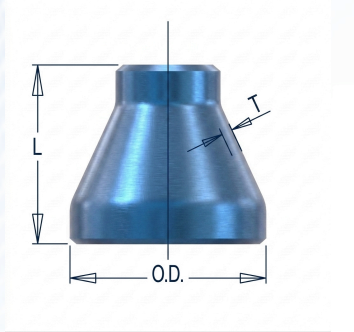
(B) Available in all material grades.

(C) All weights are estimates.

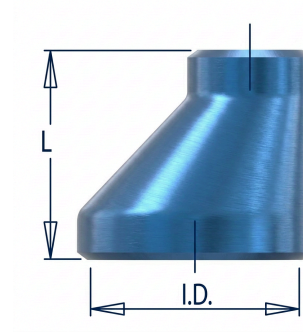
(D) For sizes larger than 48" please call.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule XS (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
8 × 3 [†]	8.62	7.620	0.500	3.50	2.900	0.300	6.00	80	15.00
10 × 8	10.75	9.750	0.500	8.62	7.620	0.500	7.00	*	29.40
10 × 6	10.75	9.750	0.500	6.62	5.756	0.432	7.00	*	28.30
10 × 5	10.75	9.750	0.500	5.56	4.810	0.375	7.00	*	26.90
10 × 4	10.75	9.750	0.500	4.50	3.826	0.337	7.00	*	24.20
12 × 10	12.75	11.750	0.500	10.75	9.750	0.500	8.00	*	41.50
12 × 8	12.75	11.750	0.500	8.62	7.620	0.500	8.00	*	38.60
12 × 6	12.75	11.750	0.500	6.62	5.756	0.432	8.00	*	37.40
12 × 5	12.75	11.750	0.500	5.56	4.810	0.375	8.00	*	36.30
12 × 4 [†]	12.75	11.750	0.500	4.50	3.826	0.337	8.00	*	34.70
14 × 12	14.00	13.000	0.500	12.75	11.750	0.500	13.00	*	81.00
14 × 10	14.00	13.000	0.500	10.75	9.750	0.500	13.00	*	76.70
14 × 8	14.00	13.000	0.500	8.62	7.620	0.500	13.00	*	74.60
14 × 6	14.00	13.000	0.500	6.62	5.756	0.432	13.00	*	72.30
16 × 14	16.00	15.000	0.500	14.00	13.000	0.500	14.00	*	98.00
16 × 12	16.00	15.000	0.500	12.75	11.750	0.500	14.00	*	95.80
16 × 10	16.00	15.000	0.500	10.75	9.750	0.500	14.00	*	93.30
16 × 8	16.00	15.000	0.500	8.62	7.620	0.500	14.00	*	91.10
16 × 6 [†]	16.00	15.000	0.500	6.62	5.756	0.432	14.00	*	89.80
18 × 16	18.00	17.000	0.500	16.00	15.000	0.500	15.00	*	118.00
18 × 14	18.00	17.000	0.500	14.00	13.000	0.500	15.00	*	117.00
18 × 12	18.00	17.000	0.500	12.75	11.750	0.500	15.00	*	115.00
18 × 10	18.00	17.000	0.500	10.75	9.750	0.500	15.00	*	113.00
18 × 8 [†]	18.00	17.000	0.500	8.62	7.620	0.500	15.00	*	100.00
20 × 18	20.00	19.000	0.500	18.00	17.000	0.500	20.00	*	162.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

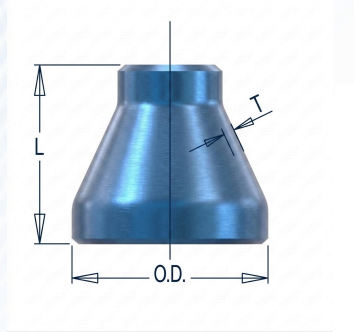
(C) All weights are estimates.

(D) For sizes larger than 48" please call.

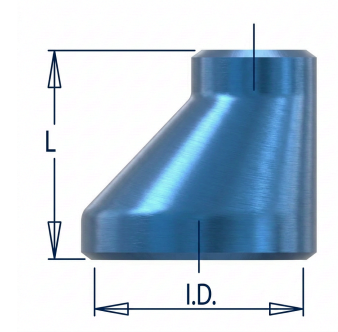
* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule XS (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
20 × 16	20.00	19.000	0.500	16.00	15.000	0.500	20.00	*	159.00
20 × 14	20.00	19.000	0.500	14.00	13.000	0.500	20.00	*	157.00
20 × 12	20.00	19.000	0.500	12.75	11.750	0.500	20.00	*	155.00
20 × 10 †	20.00	19.000	0.500	10.75	9.750	0.500	20.00	*	152.00
24 × 20	24.00	23.000	0.500	20.00	19.000	0.500	20.00	*	201.00
24 × 18	24.00	23.000	0.500	18.00	17.000	0.500	20.00	*	197.00
24 × 16	24.00	23.000	0.500	16.00	15.000	0.500	20.00	*	194.00
24 × 14 †	24.00	23.000	0.500	14.00	13.000	0.500	20.00	*	190.00
24 × 12 †	24.00	23.000	0.500	12.75	11.750	0.500	20.00	*	188.00
24 × 10 †	24.00	23.000	0.500	10.75	9.750	0.500	20.00	*	186.00
30 × 24	30.00	29.000	0.500	24.00	23.000	0.500	24.00	*	315.00
30 × 20	30.00	29.000	0.500	20.00	19.000	0.500	24.00	*	315.00
30 × 18 †	30.00	29.000	0.500	18.00	17.000	0.500	24.00	*	315.00
36 × 30	36.00	35.000	0.500	30.00	29.000	0.500	24.00	*	379.00
36 × 24	36.00	35.000	0.500	24.00	23.000	0.500	24.00	*	379.00
36 × 20 †	36.00	35.000	0.500	20.00	19.000	0.500	24.00	*	379.00
42 × 36	42.00	41.000	0.500	36.00	35.000	0.500	24.00	*	443.00
42 × 30	42.00	41.000	0.500	30.00	29.000	0.500	24.00	*	443.00
42 × 24 †	42.00	41.000	0.500	24.00	23.000	0.500	24.00	*	443.00
48 × 42	48.00	47.000	0.500	42.00	41.000	0.500	28.00	*	525.00
48 × 36 †	48.00	47.000	0.500	36.00	35.000	0.500	28.00	*	525.00
48 × 30 †	48.00	47.000	0.500	30.00	29.000	0.500	28.00	*	525.00
48 × 24 †	48.00	47.000	0.500	24.00	23.000	0.500	28.00	*	525.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

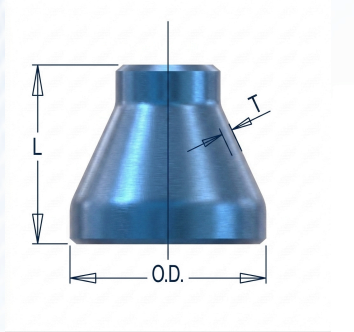
(C) All weights are estimates.

(D) For sizes larger than 48" please call.

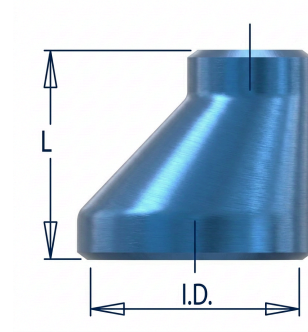
* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶14.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule 40



CONCENTRIC



ECCENTRIC

	LARGE DIAMETER			SMALL DIAMETER			Length	Pipe Sched. No.	Approx. Wt. Lbs.
Nom. Size	O.D.	I.D.	T	O.D.	I.D.	T			
FOR DIMENSION SPECIFICATIONS ½" THROUGH 10" REFER TO SCHEDULE STD									
12 × 10	12.75	11.938	0.406	10.75	10.020	0.365	8.00	40	35.80
12 × 8	12.75	11.938	0.406	8.62	7.976	0.322	8.00	40	35.80
12 × 6	12.75	11.938	0.406	6.62	6.060	0.280	8.00	40	35.80
12 × 5	12.75	11.938	0.406	5.56	5.044	0.258	8.00	40	35.80
12 × 4 †	12.75	11.938	0.406	4.50	4.026	0.237	8.00	40	35.80
14 × 12	14.00	13.124	0.438	12.75	11.938	0.406	13.00	40	68.60
14 × 10	14.00	13.124	0.438	10.75	10.020	0.365	13.00	40	68.60
14 × 8	14.00	13.124	0.438	8.62	7.976	0.322	13.00	40	68.60
14 × 6	14.00	13.124	0.438	6.62	6.060	0.280	13.00	40	68.60
16 × 14	16.00	15.000	0.500	14.00	13.124	0.438	14.00	40	96.50
16 × 12	16.00	15.000	0.500	12.75	11.938	0.406	14.00	40	96.50
16 × 10	16.00	15.000	0.500	10.75	10.020	0.365	14.00	40	96.50
16 × 8	16.00	15.000	0.500	8.62	7.976	0.322	14.00	40	96.50
16 × 6 †	16.00	15.000	0.500	6.62	6.060	0.280	14.00	40	96.50
18 × 16	18.00	16.876	0.562	16.00	15.000	0.500	15.00	40	131.00
18 × 14	18.00	16.876	0.562	14.00	13.124	0.438	15.00	40	131.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

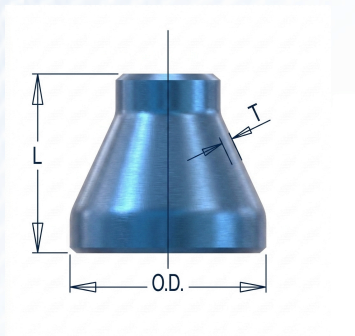
(B) Available in all material grades.

(C) All weights are estimates.

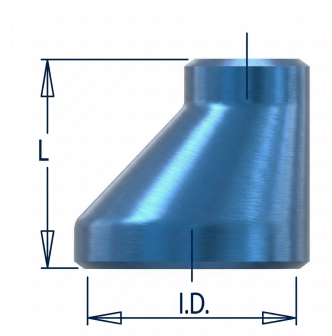
(D) For sizes larger than 24" please call.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule 40 (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length <i>L</i>	Pipe Sched. No.	Approx. Wt. Lbs.
	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>	<i>O.D.</i>	<i>I.D.</i>	<i>T</i>			
18 × 12	18.00	16.876	0.562	12.75	11.938	0.406	15.00	40	131.00
18 × 10	18.00	16.876	0.562	10.75	10.020	0.365	15.00	40	131.00
18 × 8 [†]	18.00	16.876	0.562	8.62	7.976	0.322	15.00	40	131.00
20 × 18	20.00	18.812	0.594	18.00	16.876	0.562	20.00	40	205.00
20 × 16	20.00	18.812	0.594	16.00	15.000	0.500	20.00	40	205.00
20 × 14	20.00	18.812	0.594	14.00	13.124	0.438	20.00	40	205.00
20 × 12	20.00	18.812	0.594	12.75	11.938	0.406	20.00	40	205.00
20 × 10 [†]	20.00	18.812	0.594	10.75	10.020	0.365	20.00	40	205.00
20 × 8 [†]	20.00	18.812	0.594	8.62	7.976	0.322	20.00	40	205.00
24 × 20	24.00	22.624	0.688	20.00	18.812	0.594	20.00	40	285.00
24 × 18	24.00	22.624	0.688	18.00	16.876	0.562	20.00	40	285.00
24 × 16	24.00	22.624	0.688	16.00	15.000	0.500	20.00	40	285.00
24 × 14 [†]	24.00	22.624	0.688	14.00	13.124	0.438	20.00	40	285.00
24 × 12 [†]	24.00	22.624	0.688	12.75	11.938	0.406	20.00	40	285.00
24 × 10 [†]	24.00	22.624	0.688	10.75	10.020	0.365	20.00	40	285.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

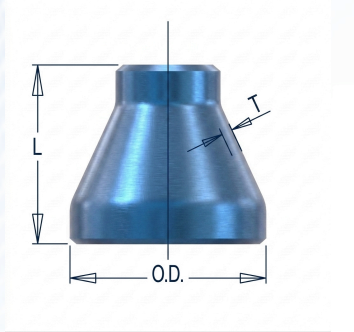
(B) Available in all material grades.

(C) All weights are estimates.

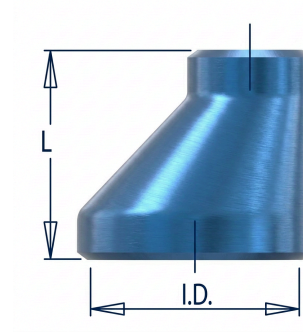
(D) For sizes larger than 24" please call.

[†] Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule 80



CONCENTRIC



ECCENTRIC

	LARGE DIAMETER			SMALL DIAMETER			Length	Pipe Sched. No.	Approx. Wt. Lbs.
Nom. Size	O.D.	I.D.	T	O.D.	I.D.	T			
FOR DIMENSION SPECIFICATIONS ½" THROUGH 8" REFER TO SCHEDULE XS									
10 × 8	10.75	9.562	0.594	8.62	7.620	0.500	7.00	80	37.50
10 × 6	10.75	9.562	0.594	6.62	5.756	0.432	7.00	80	37.50
10 × 5	10.75	9.562	0.594	5.56	4.810	0.375	7.00	80	37.50
10 × 4	10.75	9.562	0.594	4.50	3.826	0.337	7.00	80	37.50
12 × 10	12.75	11.374	0.688	10.75	9.562	0.594	8.00	80	59.00
12 × 8	12.75	11.374	0.688	8.62	7.620	0.500	8.00	80	59.00
12 × 6	12.75	11.374	0.688	6.62	5.756	0.432	8.00	80	59.00
12 × 5	12.75	11.374	0.688	5.56	4.810	0.375	8.00	80	59.00
12 × 4 †	12.75	11.374	0.688	4.50	3.826	0.337	8.00	80	59.00
14 × 12	14.00	12.500	0.750	12.75	11.374	0.688	13.00	80	115.00
14 × 10	14.00	12.500	0.750	10.75	9.562	0.594	13.00	80	115.00
14 × 8	14.00	12.500	0.750	8.62	7.620	0.500	13.00	80	115.00
14 × 6	14.00	12.500	0.750	6.62	5.756	0.432	13.00	80	115.00
16 × 14	16.00	14.312	0.844	14.00	12.500	0.750	14.00	80	159.00
16 × 12	16.00	14.312	0.844	12.75	11.374	0.688	14.00	80	159.00
16 × 10	16.00	14.312	0.844	10.75	9.562	0.594	14.00	80	159.00
16 × 8	16.00	14.312	0.844	8.62	7.620	0.500	14.00	80	159.00
16 × 6 †	16.00	14.312	0.844	6.62	5.756	0.432	14.00	80	159.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

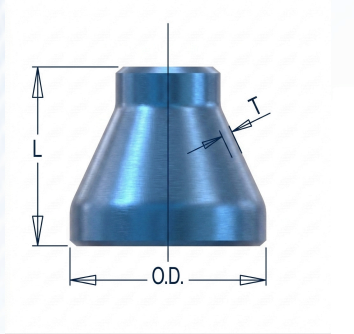
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

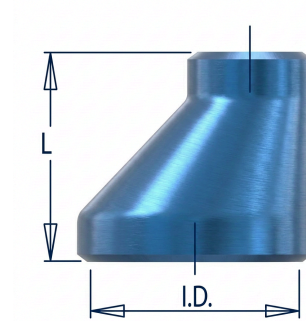
(C) All weights are estimates.

[†] Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule 80 (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
18 × 16	18.00	16.124	0.938	16.00	14.312	0.844	15.00	80	213.00
18 × 14	18.00	16.124	0.938	14.00	12.500	0.750	15.00	80	213.00
18 × 12	18.00	16.124	0.938	12.75	11.374	0.688	15.00	80	213.00
18 × 10	18.00	16.124	0.938	10.75	9.562	0.594	15.00	80	213.00
18 × 8†	18.00	16.124	0.938	8.62	7.620	0.500	15.00	80	213.00
20 × 18	20.00	17.938	1.031	18.00	16.124	0.938	20.00	80	348.00
20 × 16	20.00	17.938	1.031	16.00	14.312	0.844	20.00	80	348.00
20 × 14	20.00	17.938	1.031	14.00	12.500	0.750	20.00	80	348.00
20 × 12	20.00	17.938	1.031	12.75	11.374	0.688	20.00	80	348.00
20 × 10†	20.00	17.938	1.031	10.75	9.562	0.594	20.00	80	348.00
20 × 8†	20.00	17.938	1.031	8.62	7.620	0.500	20.00	80	348.00
24 × 20	24.00	21.562	1.219	20.00	17.938	1.031	20.00	80	494.00
24 × 18	24.00	21.562	1.219	18.00	16.124	0.938	20.00	80	494.00
24 × 16	24.00	21.562	1.219	16.00	14.312	0.844	20.00	80	494.00
24 × 14†	24.00	21.562	1.219	14.00	12.500	0.750	20.00	80	494.00
24 × 12†	24.00	21.562	1.219	12.75	11.374	0.688	20.00	80	494.00
24 × 10†	24.00	21.562	1.219	10.75	9.562	0.594	20.00	80	494.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

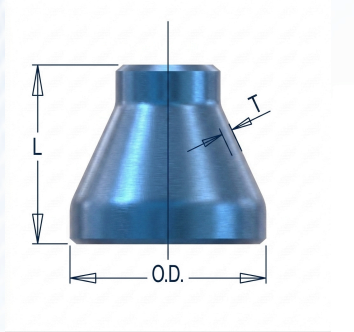
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

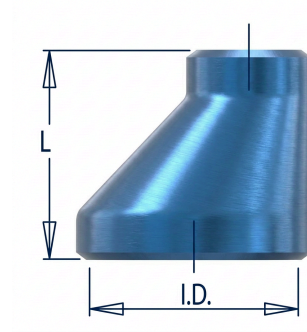
(C) All weights are estimates.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule 160



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
3/4 x 1/2	1.05	0.612	0.219	0.84	0.464	0.188	1.50	160	0.37
1 x 3/4	1.32	0.820	0.250	1.05	0.612	0.219	2.00	160	0.45
1 x 1/2	1.32	0.820	0.250	0.84	0.464	0.188	2.00	160	0.45
1 1/4 x 1	1.66	1.160	0.250	1.32	0.820	0.250	2.00	160	0.70
1 1/4 x 3/4	1.66	1.160	0.250	1.05	0.612	0.219	2.00	160	0.70
1 1/4 x 1/2	1.66	1.160	0.250	0.84	0.464	0.188	2.00	160	0.70
1 1/2 x 1 1/4	1.90	1.338	0.281	1.66	1.160	0.250	2.50	160	0.90
1 1/2 x 1	1.90	1.338	0.281	1.32	0.820	0.250	2.50	160	0.90
1 1/2 x 3/4	1.90	1.338	0.281	1.05	0.612	0.219	2.50	160	0.90
1 1/2 x 1/2	1.90	1.338	0.281	0.84	0.464	0.188	2.50	160	0.90
2 x 1 1/2	2.38	1.692	0.344	1.90	1.338	0.281	3.00	160	1.85
2 x 1 1/4	2.38	1.692	0.344	1.66	1.160	0.250	3.00	160	1.85
2 x 1	2.38	1.692	0.344	1.32	0.820	0.250	3.00	160	1.85
2 x 3/4	2.38	1.692	0.344	1.05	0.612	0.219	3.00	160	1.50
2 1/2 x 2	2.88	2.130	0.375	2.38	1.692	0.344	3.50	160	3.00
2 1/2 x 1 1/2	2.88	2.130	0.375	1.90	1.338	0.281	3.50	160	3.00
2 1/2 x 1 1/4	2.88	2.130	0.375	1.66	1.160	0.250	3.50	160	2.80
2 1/2 x 1	2.88	2.130	0.375	1.32	0.820	0.250	3.50	160	2.80
3 x 2 1/2	3.50	2.624	0.438	2.88	2.130	0.375	3.50	160	4.00
3 x 2	3.50	2.624	0.438	2.38	1.692	0.344	3.50	160	4.00
3 x 1 1/2	3.50	2.624	0.438	1.90	1.338	0.281	3.50	160	4.00
3 x 1 1/4	3.50	2.624	0.438	1.66	1.160	0.250	3.50	160	3.50
3 x 1 †	3.50	2.624	0.438	1.32	0.820	0.250	3.50	160	3.50
4 x 3	4.50	3.438	0.531	3.50	2.624	0.438	4.00	160	6.00
4 x 2 1/2	4.50	3.438	0.531	2.88	2.130	0.375	4.00	160	6.00
4 x 2	4.50	3.438	0.531	2.38	1.692	0.344	4.00	160	5.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

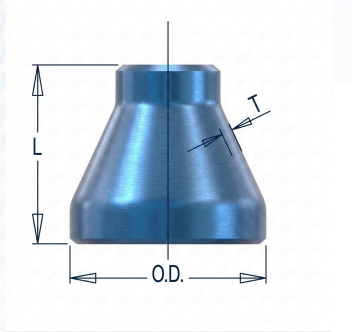
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

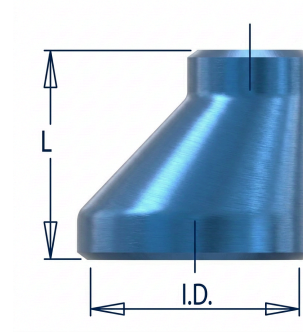
(C) All weights are estimates.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule 160 (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
4 × 1½	4.50	3.438	0.531	1.90	1.338	0.281	4.00	160	5.00
4 × 1¼†	4.50	3.438	0.531	1.66	1.160	0.250	4.00	160	5.00
4 × 1†	4.50	3.438	0.531	1.32	0.820	0.250	4.00	160	5.00
5 × 4	5.56	4.310	0.625	4.50	3.438	0.531	5.00	160	14.00
5 × 3	5.56	4.310	0.625	3.50	2.624	0.438	5.00	160	14.00
5 × 2½	5.56	4.310	0.625	2.88	2.130	0.375	5.00	160	14.00
5 × 2	5.56	4.310	0.625	2.38	1.692	0.344	5.00	160	14.00
6 × 5	6.62	5.182	0.719	5.56	4.310	0.625	5.50	160	18.00
6 × 4	6.62	5.182	0.719	4.50	3.438	0.531	5.50	160	18.00
6 × 3	6.62	5.182	0.719	3.50	2.624	0.438	5.50	160	15.50
6 × 2½	6.62	5.182	0.719	2.88	2.130	0.375	5.50	160	15.50
6 × 2†	6.62	5.182	0.719	2.38	1.692	0.344	5.50	160	15.00
8 × 6	8.62	6.808	0.906	6.62	5.182	0.719	6.00	160	31.50
8 × 5	8.62	6.808	0.906	5.56	4.310	0.625	6.00	160	28.00
8 × 4	8.62	6.808	0.906	4.50	3.438	0.531	6.00	160	28.00
8 × 3†	8.62	6.808	0.906	3.50	2.624	0.438	6.00	160	30.00
10 × 8	10.75	8.500	1.125	8.62	6.808	0.906	7.00	160	58.00
10 × 6	10.75	8.500	1.125	6.62	5.182	0.719	7.00	160	58.00
10 × 5	10.75	8.500	1.125	5.56	4.310	0.625	7.00	160	54.00
10 × 4	10.75	8.500	1.125	4.50	3.438	0.531	7.00	160	52.00
12 × 10	12.75	10.126	1.312	10.75	8.500	1.125	8.00	160	95.00
12 × 8	12.75	10.126	1.312	8.62	6.808	0.906	8.00	160	85.00
12 × 6	12.75	10.126	1.312	6.62	5.182	0.719	8.00	160	80.00
12 × 5	12.75	10.126	1.312	5.56	4.310	0.625	8.00	160	80.00
12 × 4†	12.75	10.126	1.312	4.50	3.438	0.531	8.00	160	80.00
14 × 12	14.00	11.188	1.406	12.75	10.126	1.312	13.00	160	115.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

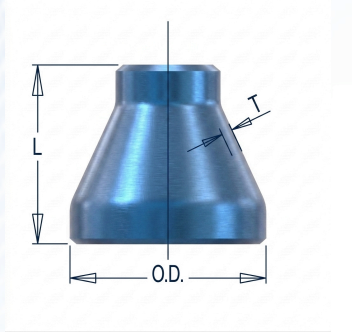
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

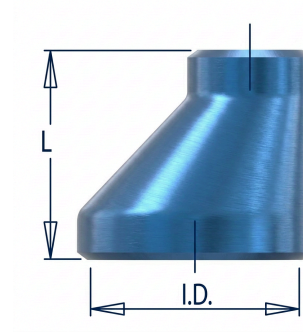
(C) All weights are estimates.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule 160 (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
14 × 10	14.00	11.188	1.406	10.75	8.500	1.125	13.00	160	115.00
14 × 8	14.00	11.188	1.406	8.62	6.808	0.906	13.00	160	159.00
14 × 6	14.00	11.188	1.406	6.62	5.182	0.719	13.00	160	159.00
16 × 14	16.00	12.812	1.594	14.00	11.188	1.406	14.00	160	159.00
16 × 12	16.00	12.812	1.594	12.75	10.126	1.312	14.00	160	159.00
16 × 10	16.00	12.812	1.594	10.75	8.500	1.125	14.00	160	159.00
16 × 8	16.00	12.812	1.594	8.62	6.808	0.906	14.00	160	213.00
16 × 6†	16.00	12.812	1.594	6.62	5.182	0.719	14.00	160	213.00
18 × 16	18.00	14.438	1.781	16.00	12.812	1.594	15.00	160	213.00
18 × 14	18.00	14.438	1.781	14.00	11.188	1.406	15.00	160	213.00
18 × 12	18.00	14.438	1.781	12.75	10.126	1.312	15.00	160	213.00
18 × 10	18.00	14.438	1.781	10.75	8.500	1.125	15.00	160	348.00
18 × 8†	18.00	14.438	1.781	8.62	6.808	0.906	15.00	160	327.00
20 × 18	20.00	16.062	1.969	18.00	14.438	1.781	20.00	160	348.00
20 × 16	20.00	16.062	1.969	16.00	12.812	1.594	20.00	160	348.00
20 × 14	20.00	16.062	1.969	14.00	11.188	1.406	20.00	160	494.00
20 × 12	20.00	16.062	1.969	12.75	10.126	1.312	20.00	160	494.00
20 × 10†	20.00	16.062	1.969	10.75	8.500	1.125	20.00	160	494.00
24 × 20	24.00	19.312	2.344	20.00	16.062	1.969	20.00	160	494.00
24 × 18	24.00	19.312	2.344	18.00	14.438	1.781	20.00	160	535.00
24 × 16	24.00	19.312	2.344	16.00	12.812	1.594	20.00	160	535.00
24 × 14†	24.00	19.312	2.344	14.00	11.188	1.406	20.00	160	535.00
24 × 12†	24.00	19.312	2.344	12.75	10.126	1.312	20.00	160	535.00
24 × 10†	24.00	19.312	2.344	10.75	8.500	1.125	20.00	160	535.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

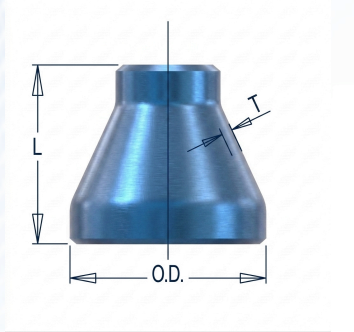
(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

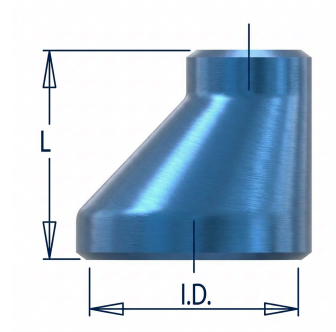
(C) All weights are estimates.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule XXS



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
3/4 x 1/2	1.05	0.434	0.308	0.84	0.252	0.294	1.50	*	0.39
1 x 3/4	1.32	0.604	0.358	1.05	0.434	0.308	2.00	*	0.50
1 x 1/2	1.32	0.604	0.358	0.84	0.252	0.294	2.00	*	0.50
1 1/4 x 1	1.66	0.896	0.382	1.32	0.604	0.358	2.00	*	0.75
1 1/4 x 3/4	1.66	0.896	0.382	1.05	0.434	0.308	2.00	*	0.75
1 1/4 x 1/2	1.66	0.896	0.382	0.84	0.252	0.294	2.00	*	0.75
1 1/2 x 1 1/4	1.90	1.100	0.400	1.66	0.896	0.382	2.50	*	1.00
1 1/2 x 1	1.90	1.100	0.400	1.32	0.604	0.358	2.50	*	1.00
1 1/2 x 3/4	1.90	1.100	0.400	1.05	0.434	0.308	2.50	*	1.00
1 1/2 x 1/2	1.90	1.100	0.400	0.84	0.252	0.294	2.50	*	1.00
2 x 1 1/2	2.38	1.508	0.436	1.90	1.100	0.400	3.00	*	2.00
2 x 1 1/4	2.38	1.508	0.436	1.66	0.896	0.382	3.00	*	2.00
2 x 1	2.38	1.508	0.436	1.32	0.604	0.358	3.00	*	2.00
2 x 3/4	2.38	1.508	0.436	1.05	0.434	0.308	3.00	*	1.75
2 1/2 x 2	2.88	1.776	0.552	2.38	1.508	0.436	3.50	*	4.00
2 1/2 x 1 1/2	2.88	1.776	0.552	1.90	1.100	0.400	3.50	*	4.00
2 1/2 x 1 1/4	2.88	1.776	0.552	1.66	0.896	0.382	3.50	*	3.50
2 1/2 x 1	2.88	1.776	0.552	1.32	0.604	0.358	3.50	*	3.50
3 x 2 1/2	3.50	2.300	0.600	2.88	1.776	0.552	3.50	*	5.00
3 x 2	3.50	2.300	0.600	2.38	1.508	0.436	3.50	*	5.00
3 x 1 1/2	3.50	2.300	0.600	1.90	1.100	0.400	3.50	*	5.00
3 x 1 1/4	3.50	2.300	0.600	1.66	0.896	0.382	3.50	*	4.50
3 x 1 [†]	3.50	2.300	0.600	1.32	0.604	0.358	3.50	*	4.50
4 x 3	4.50	3.152	0.674	3.50	2.300	0.600	4.00	*	8.00
4 x 2 1/2	4.50	3.152	0.674	2.88	1.776	0.552	4.00	*	8.00
4 x 2	4.50	3.152	0.674	2.38	1.508	0.436	4.00	*	7.50

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

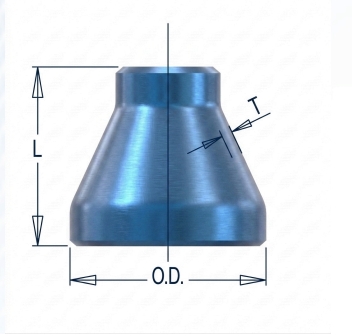
(B) Available in all material grades.

(C) All weights are estimates.

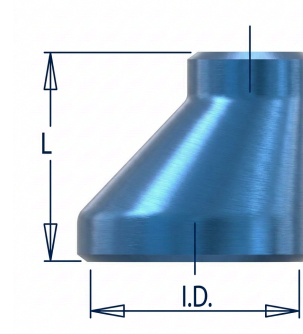
* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.

Concentric & Eccentric Reducers — Schedule XXS (cont.)



CONCENTRIC



ECCENTRIC

Nom. Size	LARGE DIAMETER			SMALL DIAMETER			Length L	Pipe Sched. No.	Approx. Wt. Lbs.
	O.D.	I.D.	T	O.D.	I.D.	T			
4 × 1½	4.50	3.152	0.674	1.90	1.100	0.400	4.00	*	7.50
4 × 1¼†	4.50	3.152	0.674	1.66	0.896	0.382	4.00	*	7.50
4 × 1†	4.50	3.152	0.674	1.32	0.604	0.358	4.00	*	7.00
5 × 4	5.56	4.060	0.750	4.50	3.152	0.674	5.00	*	16.00
5 × 3	5.56	4.060	0.750	3.50	2.300	0.600	5.00	*	16.00
5 × 2½	5.56	4.060	0.750	2.88	1.776	0.552	5.00	*	16.00
5 × 2	5.56	4.060	0.750	2.38	1.508	0.436	5.00	*	16.00
6 × 5	6.62	4.892	0.864	5.56	4.060	0.750	5.50	*	23.00
6 × 4	6.62	4.892	0.864	4.50	3.152	0.674	5.50	*	23.00
6 × 3	6.62	4.892	0.864	3.50	2.300	0.600	5.50	*	20.00
6 × 2½	6.62	4.892	0.864	2.88	1.776	0.552	5.50	*	20.00
6 × 2†	6.62	4.892	0.864	2.38	1.508	0.436	5.50	*	19.00
8 × 6	8.62	6.870	0.875	6.62	4.892	0.864	6.00	*	36.00
8 × 5	8.62	6.870	0.875	5.56	4.060	0.750	6.00	*	33.00
8 × 4	8.62	6.870	0.875	4.50	3.152	0.674	6.00	*	33.00
8 × 3†	8.62	6.870	0.875	3.50	2.300	0.600	6.00	*	33.00
10 × 8	10.75	8.750	1.000	8.62	6.870	0.875	7.00	*	48.00
10 × 6	10.75	8.750	1.000	6.62	4.892	0.864	7.00	*	58.00
10 × 5	10.75	8.750	1.000	5.56	4.060	0.750	7.00	*	54.00
10 × 4	10.75	8.750	1.000	4.50	3.152	0.674	7.00	*	52.00
12 × 10	12.75	10.750	1.000	10.75	8.750	1.000	8.00	*	95.00
12 × 8	12.75	10.750	1.000	8.62	6.870	0.875	8.00	*	85.00
12 × 6	12.75	10.750	1.000	6.62	4.892	0.864	8.00	*	80.00
12 × 5	12.75	10.750	1.000	5.56	4.060	0.750	8.00	*	80.00
12 × 4†	12.75	10.750	1.000	4.50	3.152	0.674	8.00	*	80.00

DIMENSIONS ARE IN INCHES | WEIGHTS ARE IN POUNDS

(A) Manufactured to ASME B16.9 standards.

(B) Available in all material grades.

(C) All weights are estimates.

* This size and wall thickness are not associated with a standard pipe schedule.

† Special fitting per ASME B16.9 ¶4.4.2 — contact us for availability.